

### **ABSTRACT OF THE DISCLOSURE**

An image sensor comprising a plurality of pixels in which at least two or more pixels have a charge control structure used to change charge capacity during the integration time; wherein at substantially a beginning of an exposure  
5 time the charge capacity is altered to substantially zero by either the charge control structure or a read-out mechanism and the charge capacity is changed by the charge control structure throughout the exposure time such that substantially no portion of the pixel photo response curve is substantially linear.